

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B.F.K.		9978585 = v
(33) Providing an dump of 5% board.					
3 No. Vdc 743 P- 13					
				10111 = 49/12	30334 = v
				1.	1,00,08919 = v
Less 10% (As per agk) (E) &					1000892 = v
				1.	90,08027 = v
Less previous payment etc					3616000 = v
				1.	5392,027 = v
Sunil Kumar 30/7/2020 JE					
CSP 1.8.20 AT					
18/8/20					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B.F.S.		
(27) construction of parapet.					
1.68 m ² vide T43P-12					
				@ 6760 = 86/m ²	11358 = v
(28) Drainage spots.					
4 Nos. vide T43P-12					
				@ 468 = 21/c	1873 = v
(29) Painting two coats.					
53.44 m ² vide T43P-12					
				@ 108 = 98/m ²	5824 = v
(30) R.C.C. Kilometer stone					
vide T43P-13					
(i) ordinary K ² stone					
				2343 = 54/c	
2 Nos. @ 3901 = 90/c					4687 = v
(ii) 200 K ² stone					
6 Nos. @ 665 = 36/c					3992 = v
(31) Providing and fixing traffic sign					
vide T43P-13					
(i) 600 mm square concrete					
12 Nos. @ 4083 = 97/c					49008 = v
(ii) 800 mm concrete rectangular					
4 Nos. @ 7750 = 48/c					31002 = v
(iii) 600 x 450 mm rectangular					
4 Nos. @ 5377 = 03/c					21496 = v
(32) Road marking with hot applied thermoplastic					
302.00 m ² vide T43P-13					
				@ 850 = 93/m ²	25698 = v
Continuation					
					9978585 = v

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				13.5 ft.	
(20) Providing deep kaly.					
36 m ² wide + 43 p. 11					
				@ 131 = 61/c	4738 = v
(21) Providing R.C.C. 11-25					
in substructure.					
9.75 m ³ wide + 43 p. 11					
				@ 7536 = 76/m ³	73483 = v
(22) supplying 144 mm					
plating 4450 bar.					
0.99 m ² wide + 43 p. 4					
				@ 7691 = 33/m ²	76142 = v
(23) Back d. 144 mm behind					
Abt + return wall					
34.17 m ³ wide + 43 p. 11					
				@ 742 = 14/m ³	25359 = v
(24) Providing and laying					
filter media.					
19.82 m ³ wide + 43 p. 12					
				@ 3469 = 01/m ³	68756 = v
(25) Providing and laying					
R.C.C. 11-30 6-5/5.					
4.38 m ³ wide + 43 p. 12					
				@ 8247 = 01/m ³	36122 = v
(26) supplying 144 mm					
plating 4450 bar.					
0.372 m ² wide + 43 p. 12					
				@ 78034 = 13/m ²	29029 = v

Continuation

9461967 = v

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F.L.	
(13) Providing and laying					
R.C.C. pipe of 300 mm dia.					
60.00 m vide TMS P-10					
					Ct. 1008 = 90/4 = 260534 = ✓
(14) Excavation for					
footing of structure.					
171.31 m ³ vide TMS P-10					
					Ct. 285271/m ³ = 48945 = ✓
(15) Providing R.C.C. 1-15					
in open foundation.					
17.11 m ³ vide TMS P-10					
					Ct. 5785 = 31/m ³ = 98987 = ✓
(16) Providing R.C.C. 1-20					
in open foundation.					
33.40 m ³ vide TMS P-10					
					Ct. 6519 = 18/m ³ = 217741 = ✓
(17) Supply, fitting &					
placing 4x50 bar					
0.16 m ³ vide TMS P-10					
					Ct. 76761 = 77/m ³ = 12282 = ✓
(18) Providing R.C.C. 1-20					
in substructure					
83.70 m ³ vide TMS P-11					
					Ct. 6760 = 86/m ³ = 565884 = ✓
(19) Providing and laying					
R.C.C. 1/2" dia. pipe of 1000 mm dia.					
15.00 m vide TMS P-11					
					Ct. 4337 = 87/m = 65068 = ✓
Continuation					4. 9148338 = ✓

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				S.F. R.	6575774 = v
(7) Providing and applying tack coat.					
5765.00 m ² wide TMS P-7					
at 18 = 44/m ²					106307 = v
(8) Providing and laying Premix surfacing.					
5765.00 m ² wide TMS P-7					
at 237 = 21/m ²					1367516 = v
(9) setting out pillars.					
vide TMS P-8					
(i) Benchmark pillar					
2 Nos. at 4378 = 86/each					87582 = v
(ii) Reference pillar					
6 Nos. at 1999 = 77/c					11999 = v
(10) Dismantling of existing structure like culvert.					
0.81 m ³ vide TMS P-9					
at 474 = 67/m ³					384 = v
(11) Dismantling of existing structure like culvert - cement mortar					
30.69 m ³ vide TMS P-9					
at 228 = 40/m ³					7010 = v
(12) Removing all types of lime pipes.					
above 600 mm to 900 mm					
5 Nos. vide TMS P-9					
at 229 = 83/c					1149 = v

Continuation

4.8078897 = v

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
ABSTRACT OF COST					
① clearing and grubbing rough land.					
1.06 Hec. wide T&SP- 4					
at 49739 = 47/Hec. 52724 = 0					
② construction of embankment. road with mechanical.					
1220.44 m ³ wide T&SP- 8 to 9					
at 132552/m ³ — 161782 = 0					
③ construction of subgrade and earthen shoulders.					
3295.59 m ³ wide T&SP- 4					
1105.92 m ³ wide T&SP- 7					
4401.51 m ³ at 189260/m ³ — 834526 = 0					
④ construction of G.S.B.					
1223.10 m ³ wide T&SP- 4					
21.64 m ³ wide T&SP- 6					
1244.74 m ³ at 2757 = 88/m ³ — 3432844 = 0					
⑤ Providing and laying with grading. III					
432.39 m ³ wide T&SP- 6					
at 4109 = 84/m ³ — 1777054 = 0					
⑥ Providing and applying Primer coat with bitumen emulsion (SS-1)					
5765.00 m ² wide T&SP- 7					
at 54 = 96/m ² — 316844 = 0					

Continuation

4. 6575774 = 0

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(23) Providing and laying filter media					
	2	4.61	0.60	1.70	9.40 m^3
	4	2.32	0.60	1.87	10.42 m^3
					<u>19.82 m^3</u>
(24) Providing and laying R.C.C. 17-30 to S/S.					
	1	2.50	0.25	0.25	3.75 m^3
	2	2.50	0.25	0.50	0.63 m^3
					<u>4.38 m^3</u>
(25) Supplying fitting and placing M/SO box.					
					$4.38 \text{ m}^3 @ 85 \text{ kg/m}^3 = 0.372 \text{ m}^3$
(26) Construction of parapet.					
	2	3.50	0.60	0.40	1.68 m^3
(27) Drainage spouts. 4 Nos					
(28) Painting two coats including primer coat.					
100 mm H.P.					
	2	2	6.15	0.40	9.84 m^2
	2	4	6.15	0.60	29.52 m^2
	2	4	0.40	0.60	1.92 m^2
R.C.C. Box.					
	2	3.50	0.40		2.80 m^2
	4	3.50	0.60		2.40 m^2
	4	0.40	0.60		0.96 m^2
					<u>53.44 m^2</u>

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(17) Providing R.C.C. M-20 in Substructure.					
1000 mm g.					
4.12. 2x 2x 6.15 x 1.25 x 0.40					3.18 = 64.54 m ³
Parapet. 2x 2x 6.15 x 0.40 x 0.60					= 5.90 m ³
Less pipe- 2x 2x 0.785 x (1.25) x 0.622					= (-) 2.96 m ³
R.C.C. 50 mm.					
4x 2.92 x 0.78 x 1.78					= 16.22 m ³
					<u>83.70 m³</u>
(18) Providing and laying R.C.C. M ₃ 4. pipe of 1000 mm g.					
2x 3x 2.50					= 15.00 m
(19) Providing weep holes in stone masonry -					36 Nos.
(20) Providing R.C.C. M-25 in Substructure					
Bottom - 1x 6.00 x 2.50 x 0.25					= 3.75 m ³
Side wall - 2x 6.00 x 2.00 x 0.25					= 6.00 m ³
					<u>9.75 m³</u>
(21) Supplying, fitting and placing 12.5 SD bar.					
9.75 m ³ @ 25 kg/m ³					= 0.83 m.t.
2.25 m ³ @ 70 kg/m ³					= 0.16 m.t.
					<u>0.99 m.t.</u>
(22) Back filling behind at any retention wall.					
2x 2.92 x 5.20 x 0.20					= 6.07 m ³
2x 2.92 x 4.61 x 1.78					= 47.92 m ³
deduct for diff. masonry					= (-) 19.82 m ³
Continuation					<u>34.17 m³</u>

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(12) Providing and laying of R.C.C. pipe of 300 mm dia.					
		6	4	2.50	= 60.00 m
(13) Excavation for foundation of structure.					
1000 mm dia.					
H.W. 2 x 2 x 6.45 x 1.40 x 1.50					= 54.18 m ³
Base pipe. 2 x 1 x 4.85 x 1.53 x 0.365					= 5.42 m ³
R.C.C. Box					
1 x 6.00 x 3.50 x 0.65					= 13.65 m ³
2 x 3.5 x 1.30 x 1.80					= 16.38 m ³
4 x 3.32 x 3.42 x 1.80					= 81.68 m ³
					171.31 m ³
(14) Providing R.C.C. H.W. in open foundation.					
1000 mm dia.					
2 x 2 x 6.45 x 1.40 x 0.15					= 5.42 m ³
2 x 1 x 4.93 x 1.53 x 0.25					= 3.77 m ³
R.C.C. Box					
1 x 6.00 x 2.50 x 0.10					= 1.50 m ³
4 x 3.32 x 2.42 x 0.20					= 6.42 m ³
					17.11 m ³
(15) Providing R.C.C. H.W. in open foundation.					
R.C.C. Box					
R/W. 4 x 2.92 x 2.017 + 1.317 x 1.60					= 31.15 m ³
C/L. 2 x 2.50 x 0.30 x 1.50					= 2.25 m ³
					33.40 m ³
(16) Supply and lifting of Placing, tying and casting					
2.25 m ³ @ 70 kg/m ³					= 157.50 kg = 0.16 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Chainage	Fill Area	Mean Area	Dist.		Fill volume
1050	3.768	-	-	-	-
1100	3.818	3.793	50		189.650
1150	3.547	3.683	50		184.125
1200	3.796	3.672	50		183.575
1250	5.040	4.418	50		220.900
1300	4.814	4.927	50		246.350
1350	5.272	5.043	50		252.150
1400	3.908	4.590	50		229.500
1450	3.964	3.996	50		196.800
1500	3.782	3.873	50		193.650
1510	4.427	4.105	10		41.045
			Total Qty.		7302.07 m ³

Deduction:

Subgrade & shoulder (-) 4401.51 m³G.S.B. - (-) 1244.74 m³W.B.M. Gr. II (-) 432.39 m³Net Qty. 1223.51 m³Limit 1220.44 m³

(9) Disassembly of existing

structure like cutwork

Cement concrete - 0.81 m³

(10) Disassembly of existing

structure like cutwork

Cement mortar - 30.69 m³

(11) Removing all types

of lime pipes

about 600 m to 900 m. 5.00 m³

Continuation

Sch. XLV-Form No. 134

8

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

Particulars	No.	L	E	U	U
⑦	Setting out pillars.				
	(i) Benchmark pillar -	2 Nos.			
	(ii) Reference pillar.	6 Nos.			
⑧	Construction of embankment.				
	mat. with materials.				
	Eftw calculation.				
	Fill volume				

chainage	Fill Area	Mean Area	Dist.	Fill Volume
0	6.237	-	-	-
50	8.320	7.279	50	363.925
100	4.517	6.419	50	320.925
150	5.897	5.207	50	260.350
200	8.019	6.958	50	347.900
250	6.836	7.428	50	371.325
300	2.397	5.115	50	255.750
350	5.288	4.341	50	217.050
400	5.324	5.306	50	265.300
450	6.872	6.098	50	304.900
500	5.458	6.165	50	308.250
550	3.765	4.612	50	230.575
600	3.382	3.574	50	178.675
650	4.699	4.071	50	202.025
700	5.243	4.971	50	248.550
750	4.269	4.756	50	237.800
800	3.552	3.911	50	185.525
850	3.733	3.623	50	182.125
900	3.868	3.801	50	190.025
950	5.587	4.728	50	236.375
1000	4.261	4.924	50	246.200
1050	3.768	4.015	50	200.725

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
25 x 30 x 3.75	=				2812.50 m ²
25 x 30 x 3.75	=				2812.50 m ²
1 x 29 x 3.75	=				108.75 m ²
Less: 3 x 25 x 3.75 + 5.0 + 3.75	=				312.50 m ²
Less: 3 x 25 x 3.75	=				(-) 281.25 m ²
					5765.00 m ²

(4) Providing and applying
floor coat.

25 x 30 x 3.75	=				2812.50 m ²
25 x 30 x 3.75	=				2812.50 m ²
1 x 29 x 3.75	=				108.75 m ²
3 x 25 x 3.75 + 5.0 + 3.75	=				312.50 m ²
Less: 3 x 25 x 3.75	=				(-) 281.25 m ²
					5765.00 m ²

(5) Providing and laying
premix surface.

25 x 30 x 3.75	=				2812.50 m ²
25 x 30 x 3.75	=				2812.50 m ²
1 x 29 x 3.75	=				108.75 m ²
3 x 25 x 3.75 + 5.0 + 3.75	=				312.50 m ²
Less: 3 x 25 x 3.75	=				(-) 281.25 m ²
					5765.00 m ²

(6) construction of subgrade
and earthen shoulders.

2 x 25 x 30 x (1.182 x 0.075 + 1.388 x 0.20)	=				549.30 m ³
2 x 25 x 30 x (1.182 x 0.075 + 1.388 x 0.20)	=				549.30 m ³
2 x 1 x 10 x (1.182 x 0.075 + 1.388 x 0.20)	=				7.32 m ³
					1105.92 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
2nd on A/c bill					
N/W - construction of road from					
NH-139 to Birajhigha					
Pandey high Tak.					
Agency- Sri Shailendra Pr. Singh.					
CHCPL SI. No. - 19(5024)					
Agreement No.					
Date of Work start.					
Date of completion.					
Date of entry.					
Measurement					
① Construction of					
G.S.B. -					
$1 \times 19 \times 4.05 \times 0.20 = 15.39 \text{ m}^3$					
Cume - $3 \times 25 \times \frac{4.05 + 5.30 + 4.05}{3} \times 0.20 = 67.25 \text{ m}^3$					
Less - $3 \times 25 \times 4.05 \times 0.20 = 60.75 \text{ m}^3$					
21.64 m^3					
② Providing and laying					
kerb grading III					
$25 \times 30 \times 3.75 \times 0.075 = 210.94 \text{ m}^3$					
$25 \times 30 \times 3.75 \times 0.075 = 210.94 \text{ m}^3$					
$1 \times 29 \times 3.75 \times 0.075 = 8.16 \text{ m}^3$					
Cume - $3 \times 25 \times \frac{3.75 + 5.0 + 3.75}{3} \times 0.075 = 23.44 \text{ m}^3$					
Less - $3 \times 25 \times 3.75 \times 0.075 = 21.09 \text{ m}^3$					
432.89 m^3					
③ Providing and applying					
prime coat. over					
bitumen emulsion					
(SS-1)					

Continuation

Certified that this Map contains -
100 (one hundred) pages by Printers-Maharaj
and Issued to Sri Babu Ram Ace.
R.W.D. Wary Sub-Division- Kutumba.

[Signature]
5.12.17
Executive Engineer
Rural Works Depart. at
W.R.D. Division Aurangabad
511219



Schedule KLV - Para No. 134.
E.E. Aurangabad DIVISION.
A.E. Kutumba SUB-DIVISION.

MEASUREMENT BOOK.

2493

511265

Sri Babu Ram Ace. Kutumba.

Date of the entry _____

Use of the entry _____

Part. No. of the entry _____

Agency - Shailendra pd. Singh

NH 134 to Pajraj Bridge (Parebhis) M.R.H.S.Y

Schedule XLV - Form No. 134

Page No.

BHAR P.W.D.

E.E. R.O.D. - W.M. - Supervised - DIVISION

Assistant Engineer. R.O.D. - 3RD DIVISION

W.M. - Division - Kutchambha

MEASUREMENT BOOK 410

2493